

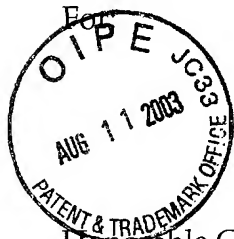
In re Application of: Hossan, et al
Serial Number: 10/063058
Filed: March 15, 2003
Examiner: Not yet assigned
Group Art Unit: Not yet assigned

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TC 1700

METHOD OF FORMING A CONDUCTIVE
THERMOPLASTIC COMPOSITION



INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents and Trademarks
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SIR:

- ☒ 1 Pursuant to 37 CFR 1.97(b)
[within 3 months of filing or prior to 1st Office Action]
- ☐ 2 Certification Pursuant to 37 CFR 1.97(c)
[before Final Office Action or Allowance]
- ☐ 3 Fee Payment Pursuant to 37 CFR 1.97(c)
[before Final Office Action or Allowance]
- ☐ 4 Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d)
[before issue fee payment]

The following are submitted in the above identified application in compliance with 37 CFR 1.97 & 1.98:

- ☒ 5 A list of documents on form PTO-1449.

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and

CERTIFICATE OF MAILING

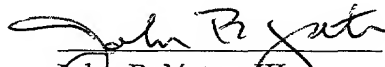
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner of Patents & Trademarks, Washington, D.C. 20231, on this 11th day of August, 2003.

Mona J. Pizzuto

- ☐ 8 The required certification made in item 11 below; or
- ☐ 9 The \$240.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 10 37 CFR §1.97(d): [before issue fee payment]; and
- a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$130.00) required by 37 CFR 1.17(i)(1) is authorized in item 14 below. (Direct this letter to: "Attention PETITIONS EXAMINER" and if applicable include batch locator information; e.g. "Allowed Files, Batch _____, Date of Allowance _____", and
- b) The required Certification is stated in item 11 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- ☒ 14 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to **Deposit Account No.07-0862**. An original and two (2) copies of this document are enclosed.

Respectfully submitted,

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PTO-1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
LIST OF ITEMS

(Use several sheets if necessary)

Attorney's Docket Number
 120197-1

Serial Number
 10/063058

Name of Applicant
 Hossan, et al

Filing Date
 March 15, 2002

Group
 To be assigned
**PATENT DOCUMENTS**

* Examiner Initials	Document Number								Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	5	9	7	7	2	4	0	11/02/1999	Fortuijn, et al			
	AB	6	1	7	1	5	2	3	01/09/2001	Hossan, et al			
	AC	6	2	2	1	2	8	3	04/24/2001	Koevoets, et al			
	AD	6	3	5	2	6	5	4	03/05/2002	Hossan, et al			
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												
	AL												

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FOREIGN PATENT DOCUMENTS

	Document Number	Date	COUNTRY	Class	Subclass	TRANSLATION YES NO
	AM EP 0 866 098 A	09/23/1998	European			
	AN EP 0 685 527 A	12/06/1995	European			
	AO EP 0 936 237 A	08/18/1999	European			

OTHER INFORMATION (Including Author, Title, Date, Pertinent)

AP	
AQ	

EXAMINER**DATE CONSIDERED**

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS <small>(Use several sheets if necessary)</small>				Attorney's Docket Number 120197-1		Serial Number 10/063058	
				Name of Applicant Hossan, et al			
				Filing Date March 15, 2002		Group To be assigned	

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U.S. PATENT DOCUMENTS									
* Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate			
AA									
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	Document Number	Date	COUNTRY	Class	Subclass	TRANSLATION YES NO	
AM	WO 03 040224 A	05/15/2003	World				
AN							
AO							

OTHER INFORMATION (Including Author, Title, Date, Pertinent)	
AP	
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Branch at
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Département à
La Haye
Division de la
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11 JUL 2003

US Pending
John Yates

Datum/Date

11.07.03

Zeichen/Ref./Réf.

08cn120197/9249

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

03251592.6-2102-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire
GENERAL ELECTRIC COMPANY

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 2

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X,D ✓	US 5 977 240 A (FORTUIJN JOHANNES EVERARDUS ET AL) 2 November 1999 (1999-11-02) * column 3, line 13-30 * * column 8, line 3 - column 9, line 11; claims 9,11,13; examples; table B * ---	1-10	H01B1/24 C08L71/12 C08L77/00 B29C47/10 B29C47/64
X,D	EP 0 866 098 A (GEN ELECTRIC) 23 September 1998 (1998-09-23) * page 3, line 24-53 - page 4, line 27-58; claims 1,7-10; tables * ---	1-10	
X,D ✓	US 6 171 523 B1 (HOSSAN ROBERT ET AL) 9 January 2001 (2001-01-09) * claims 1,2,13,14; examples * ---	1-10	
Y,D ✓	US 6 221 283 B1 (KOEVOETS CHRISTIAAN H ET AL) 24 April 2001 (2001-04-24) * column 4, line 43 - column 6, line 24; examples * ---	1-10	
Y	EP 0 685 527 A (GEN ELECTRIC) 6 December 1995 (1995-12-06) * claim 17; examples * ---	1-10	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H01B C08L B29C
Y	EP 0 936 237 A (GEN ELECTRIC) 18 August 1999 (1999-08-18) * page 5, line 44 - page 7, line 60; claims 2-4,9 * ---	1-10	
A	US 6 352 654 B1 (HOSSAN ROBERT ET AL) 5 March 2002 (2002-03-05) * the whole document * ---	1-10	
E	WO 03 040224 A (GEN ELECTRIC) 15 May 2003 (2003-05-15) * page 13 * * page 24-26; claims 1,6,10,14; tables * -----	1-10	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 7 July 2003	Examiner Meier, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 25 1592

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07-07-2003

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 25 1592

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07-07-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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ABSTRACT / ZUSAMMENFASSUNG / ABREGE

03251592.6

A conductive thermoplastic composition is prepared by a method in which poly(arylene ether) and, optionally, a portion of polyamide are added to a first feed port, polyamide is added to a second feed port, and a concentrate of conductive carbon black in polyamide is added to the second feed port or a third feed port. Whereas preparation of conductive poly(arylene ether)/polyamide compositions has typically required an extruder having a screw length to diameter ratio of at least 40, the present method allows the use of extruders having a screw length to diameter ratio less than 38 and as low as 20. The conductive thermoplastic composition prepared by the method exhibits high conductivity and high impact strength, and it is useful for molding articles such as electrostatically-paintable automotive exterior panels.